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Korea - Republic of

Citrus Annual

Citrus Annual

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Report Highlights:

In crop year 2016/17, South Korean tangerine production is expected to continue a multi-year trend of decreasing quantity and increasing quality. However, the decrease in production is expected to be small (3%), to 615,000 MT. Consumption is forecast to decrease to 542,000 MT, as the industry continues to make changes to adapt to growing market demand for sweeter, larger fruit that can be available at different times of the year. South Korean imports of oranges continue to be dominated by U.S. exports. The volume of orange imports in MY 2016/2017 is expected to decrease to 130,000 MT based on a poor crop production year in California.

Production

In crop year 2016/17 (October – September), Korea's total Unshu orange production is forecast to decrease by three percent to 615,000 metric tons (MT), a decrease of about 20,000 MT from 635,000 MT the previous year. This decrease is primarily expected to be a result of a decline in production of open field tangerines. Harvested area for open field tangerines has been gradually decreasing; and this year, yields also decreased as unfavorable weather caused an increase in the number of small and damaged fruit.

At the time of the first survey done in May 2016 by the Jeju citrus industry, estimated production of open field tangerines was forecast at 614,000 MT due to increased fruit count per tree. However, current assessments for open field tangerine production are around 500,000 MT in 2016/17, a decrease of about 20,000 MT from the previous crop year, mainly due to decreased harvested area and increased volume of non-marketable fruit. The percentage of non-marketable fruits (which are too large, small, or damaged to be marketable) increased after a summer heat wave caused damage by fruit cracking, and a typhoon in late September caused an increase in rotten and fallen fruits. However, the summer drought also positively impacted open field tangerine production by raising the Brix level (sugar content level). A high Brix level is the top driver of consumer demand.

Due to an increased percentage of non-marketable fruits in crop year 2016/17, Jeju citrus industry estimated in May that about 80,000 MT of fresh tangerines would be used for concentrate processing to maintain the proper retail price, and to segregate off-grade and inferior fruits from the retail market. However, the total volume for concentrate processing will be lower, 70,000 MT, due to an expected reduction of open field tangerine production and an increased tangerine concentrate stock level caused by a fruit juice market that has been shrinking since 2014.

Despite more than a decade of steadily decreasing harvested area and an overall decrease in production of open field tangerines, the production of late variety tangerines has increased over this time period. Farmers have increasingly converted their remaining planted area to growing late varieties such as *Hallabong*, *Cheonhyehyang*, and *Redhyang*, which have higher value. Because these varieties are more competitive with fresh imported oranges, production has risen since 2004 when FTAs with citrus exporting countries began to be implemented. In crop year 2015/16, bolstered by increased production of *Cheonhyehyang* and *Redhyang* cultivars, late variety production increased by 2.4 percent to 67,406 MT, up from 65,800 MT the previous year. *Cheonhyehyang* and *Redhyang* cultivars have a stronger flavor, higher Brix level, and larger size than most other tangerines.

Crop Year	2011/12	2012/13	2013/14	2014/15	2015/16
Open field	500,106	558,942	554,007	573,442	519,243
Summer Green House	21,807	19,963	19,555	21,571	20,401
Winter Tangerine	21,056	34,240	34,742	35,950	27,982
Late Variety	45,085	55,465	63,963	65,800	67,406
Total Production	588,054	668,610	672,267	696,763	635,032

Source: Jeju Citrus Growers Cooperative

Summer Greenhouse Tangerine

Every year, the Jeju citrus industry produces about 20,000 MT of summer greenhouse tangerines during the May – September period. Although harvested area for greenhouse tangerines continued to decrease, citrus growers maintained stable production because of increased yield rates (production per hectare). In crop year 2003/04, summer greenhouse tangerine production was 25,903 MT grown on 430 Ha. Meanwhile, in crop year 2015/16, despite a harvested area of only 250 Ha, increased yield rates allowed production to reach 20,401 MT. As can be seen, the yield rate was 60.2 MT/Ha in 2003/04, while it increased to 81.6 MT/Ha in 2015/16 as the trees got older.

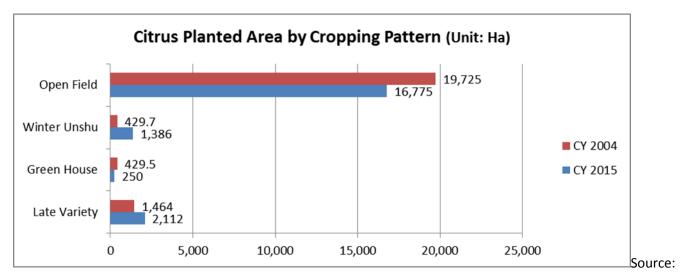
Planted Area

In crop year 2016/17, Korea's planted area for Unshu oranges is expected to be 20,450 hectares (Ha), a slight decrease (0.4 percent) from 20,523 Ha in crop year 2015/16. Planted area is declining mainly due to both the growth of housing developments in the tangerine farming area and a steady rate of closures of farms as the population of the Jeju rural community continues to age.

The majority (82%) of tangerine planted area in Jeju continues to be devoted to open field tangerine production. However, planted area for open field tangerines has decreased by 15 percent (2,950 Ha) over the past 11 years from 19,725 Ha in crop year 2003/4 to 16,775 Ha in crop year 2015/16. Open field tangerine farmers in Jeju suffer from low tangerine quality caused by unfavorable weather conditions (frequent rainfall and typhoons) during the harvest period (October – December period), causing them to shift more open field tangerine area to greenhouse cultivation (mainly late variety) based on the promise of stronger profits and more stable tangerine quality. This trend has led to a significant increase in the area planted with the late variety tangerine (44 percent or 648 Ha) from 1,464 Ha to 2,112 Ha from crop years 2003/4 to 2015/16. Late variety tangerines accounted for about 10 percent of total tangerine area (20,523 Ha) in Jeju in crop year 2015/16.

Jeju tangerine growers have increased planted area for late variety tangerine cultivars, mainly *Hallabong*, *Cheonhyehyang* and *Redhyang*. When Jeju tangerine growers first began producing the late variety tangerine, the majority of growers produced the *Hallabong* cultivar due to the limited variety of options available. Since that time, researchers at the Rural Development Administration and Jeju Agricultural Research and Extension Services have developed additional cultivars. In particular, production of the *Cheonhyehyang* and *Redhyang* cultivars recently increased substantially due to increased consumer demand in the market. These cultivars have been continuously supported by the provincial government since 2004, when Korea began implementing the first of many FTAs. The government supports the producers of these cultivars with facility investment, enabling farmers to increase their profits and better compete with imported fruits.

In crop year 2016/17, planted area for late variety tangerines is expected to increase by 3.6 percent (134 Ha), as planted area for open field tangerines are forecast decrease by 0.8 percent (134 Ha). Meanwhile, The Jeju citrus industry forecasts that the area of protected tangerine cultivation (currently 3,500 Ha) will increase up to 4,000 Ha in the near future, accounting for 20 percent of total tangerine area.



Jeju Citrus Growers Cooperative

Consumption

The Ministry of Agriculture, Food and Rural Affairs (MAFRA) announced that in 2015, Koreans consumed more fresh citrus (including imported oranges) than other fruit, due to the relatively cheap price per kilogram and the consumer-friendly ability to peel the fruit skin. Of total per capita fruit consumption (66.7 Kg) in 2015, Koreans consume the most fresh citrus (13.2 Kg), followed by apples (9.4 Kg) and table grapes (6.4 Kg).

Korea: Per Capita Fruits Consumption (Unit: Kg)

Year	Total Fruits	Pears	Apple	Grape	Citrus 1/	Persimmon	Peach	Other
2005	62.7	8.7	7.5	8.2	13.1	4.8	4.6	13.2
2011	62.4	5.5	7.6	6.3	13.6	3.3	3.7	22.4
2012	61.8	3.1	7.9	6.6	13.8	3.3	4	23.1
2013	63.2	5.2	9.8	6.3	13.5	3	3.8	21.4
2014	66.5	5.5	9.4	6.5	14.3	3.7	4.2	22.9
2015	66.7	4.7	11.4	6.4	13.2	3.3	4.7	23

1/Including imported oranges

Source: Ministry of Agriculture, Food and Rural Affairs (MAFRA)

In crop year 2016/17, consumption is forecast to decrease to 542,000 MT from 547,000 MT in 2015/2016. Despite the popularity of citrus among Koreans, the tangerine industry has difficulty increasing demand because consumers are deterred by the short storage period of the fruit. Additionally, the demand for fresh local tangerines is stagnant because Koreans have recently become accustomed to various imported fruits with higher sugar content (Brix levels) such as oranges, table grapes and mangoes. Many Korean consumers prefer these sweeter fruits, including mangoes and oranges, for dessert. As fresh tangerines are not as sweet as these imported fruits they have difficulty competing. However, open field tangerine production does not compete

with fresh oranges since the main season ends around the end of February, while the late variety competes with imported oranges until the beginning of May. Imports are most competitive at the favorable U.S. - Korea Free Trade Agreement (FTA) duty rate of five percent, which lasts from March 1 – August 30. Thus, demand for higher quality fruit with a higher Brix level is increasing, and the Jeju tangerine industry is responding. Industry cooperatives are assisting farmers with improving quality by implementing tangerine reduction plans with tangerine growers. These plans include practices such as fruit and tree thinning and promoting the use of a sunshine reflecting film on the ground.

In general, the majority of fresh tangerines are distributed through large discount shopping centers or traditional wet markets. However, tangerine sales to tourists visiting Jeju and direct sales between growers and consumers via online markets are growing rapidly. In crop year 2015/16, direct sales to the tourist and online markets increased to 117,162 MT from 77,850 MT the previous year.

Tangerine Concentrate Processing

The Jeju tangerine industry uses about 15 to 20 percent of its fresh tangerine production for concentrate processing annually. This allows the industry to obtain value from the non-marketable fruits (off-grade and inferior fruits) and to maintain the proper market price for the fruits, as it segregates a certain amount of oversupply in production away from the market. In crop year 2016/17, about 70,000 MT of fresh tangerines will be used for concentrate processing. This number is about 14,000 MT lower than the previous year due to the reduced production of open field tangerines and increased tangerine concentrate stock by processors since crop year 2013/14.

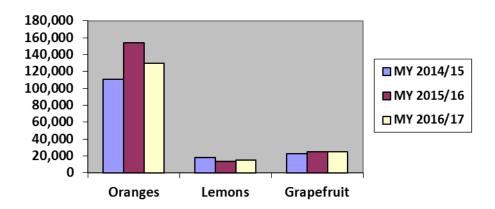
The three main tangerine concentrate processors (Jeju Development Corporation, Ilhae and Lotte) purchase fresh tangerines for concentrate processing at 160 Korean won (KRW) per Kilogram. This price includes 50 KRW per kilogram in financial support provided by the Jeju provincial government.

The use of fresh tangerines for concentrate processing is expected to decrease steadily due to a reduced fruit juice market and the ongoing decrease of open field area for tangerines. In particular, as consumers are increasingly recognizing drinks with high sugar content (mostly fruit and carbonated drinks) as unhealthy, sales of tangerine juice are significantly decreasing.

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Imports

Citrus Imports (MT)



Imports of oranges are expected to decrease slightly, while lemon and grapefruit imports are expected to remain largely unchanged.

Oranges

In Marketing Year (MY) 2016/17, Korea's fresh orange imports are expected to be 130,000 MT, which amounts to an approximately 25,000 MT decrease from the previous year. An anticipated reduction in production (about eight percent decrease) in exporting countries (especially in California, the United States) and increased competition with other imported fruits, such as table grapes and bananas, will contribute to this decline. In MY 2015/16, Korea imported a record high quantity of about 154,000 MT of fresh oranges, mainly due to increased production in California. This number represents a 39 percent increase from 111,000 MT in MY 2014/15. As a result of increased production, the average import unit price also decreased by 8.7 percent from the previous year.

U.S. fresh oranges dominated the Korean market with a 94 percent market share in MY 2015/16, followed by South Africa and Spain, which held 2.8 percent and 1.5 percent market shares, respectively. U.S. oranges will maintain their dominant position in Korea in MY 2016/17 with a favorable FTA duty rate of five percent for calendar year 2017 during the March 1st – August 30th period. Because of the seasonality of the fruit and the effects of the temporal duties from the FTA, a majority of U.S. oranges are imported during the March - April period. In MY 2015/16, Korea imported 115,232 MT of fresh oranges during these two months, accounting for about 75 percent of total orange imports.

Recently, the industry assumes the ratio of premium high Brix-count oranges and regular oranges is half and half in the market. Due to increased consumer demand for high quality oranges for dessert, demand is expected to continue to increase over the next few years.

Lemons

Korea imports about 15,000 MT – 16,000 MT of fresh lemons annually for direct consumption and processing into lemonade. In MY 2016/17, fresh lemon imports are expected to increase to 15,000 MT from 14,000 MT in MY 2015/16 due to the popularity of lemonade during the last summer season, which had exceptionally hot weather. In MY 2015/16, imports decreased by 4,300 MT from the previous year due to reduced supply from Chile caused by cold damage and increased competition with other fresh-squeezed fruit juices during the summer season.

Grapefruit

In MY 2016/17, Korea's grapefruit imports are expected to maintain the level of MY 2015/16 at 25,000 MT with the continued popularity of sweetened citrus drinks and the healthy and diet-conscious image of grapefruit that is appealing to young consumers. In MY 2015/16, the exceptionally hot weather during summer helped to increase the demand for grapefruit-ade, and grapefruit reached its highest ever import volume at 25,119 MT, up from 23,087 MT in MY 2014/15.



Drinks made from fresh grapefruit are popular in Korea. To make them:

- L- Collect flesh of grapefruit in a jar with lots of sugar.
- 2- Wait until the grapefruit mixture becomes like syrup.
- 3- Dilute it with hot water for tea in the winter or with carbonated water for a grapefruit-ade drink in the summer.

Exports

In crop year 2015/16, Korea's fresh tangerine exports are forecast to be 2,500 MT, slightly lower than the previous year due to reduced open field tangerine production and increased domestic demand. Additionally, favorable domestic retail prices for tangerines for the past two to three years have led tangerine growers to lose interest in the export market.

Frozen Concentrated Orange Juice (FCOJ)

Since MY 2013/14, the frozen fruit juice market has been contracting as a result of increasingly health conscious consumers and increasing competition with fresh-squeezed fruit juice during the summer season. Meanwhile, demand for various other drinks including tea and health functional drinks increased during the same period. In MY 2016/17, Frozen Concentrated Orange Juice (FCOJ) imports are expected to be at a similar level to the previous year (14,800 MT). The fruit juice market is expected to continue to struggle to compete with increased demand for fresh-squeezed fruit juice made of various fresh fruits including imported lemons and grapefruit.

PSD Tables

Tangerines/Mandarins, Fresh	2014/20)15	2015/2016		2016/2017		
Market Begin Year	Oct 201	4	Oct 20	15	Oct 2016		
Korea, Republic of	USDA Official	New Post	USDA Official	New Post	USDA Official	New Post	
Area Planted	20555	20555	20541	20523	0	20450	
Area Harvested	19322	19322	19309	19292	0	19223	
Bearing Trees	24153	24153	24136	24115	0	24029	
Non-Bearing Trees	6680	6680	6676	6670	0	6646	
Total No. Of Trees	30833	30833	30812	30785	0	30675	
Production	697	697	640	635	0	615	
Imports	0	0	0	0	0	0	
Total Supply	697	697	640	635	0	615	
Exports	3	3	3	3	0	3	
Fresh Dom. Consumption	535	535	542	547	0	542	
For Processing	159	159	95	85	0	70	
Total Distribution	697	697	640	635	0	615	
HECTARES),(1000 TREES),(1000 MT)							

Oranges, Fresh	2014/20	2014/2015		2015/2016		017
Market Begin Year	Oct 20	14	Oct 20	Oct 2015		16
Korea, Republic of	USDA Official	New Post	USDA Official	New Post	USDA Official	New Post
Area Planted	0	0	0	0	0	0
Area Harvested	0	0	0	0	0	0
Bearing Trees	0	0	0	0	0	0
Non-Bearing Trees	0	0	0	0	0	0
Total No. Of Trees	0	0	0	0	0	0
Production	0	0	0	0	0	0
Imports	111	111	155	154	0	130
Total Supply	111	111	155	154	0	130
Exports	0	0	0	0	0	0
Fresh Dom. Consumption	111	111	155	154	0	130
For Processing	0	0	0	0	0	0
Total Distribution	111	111	155	154	0	130
(HECTARES) ,(1000 TREES)	,(1000 MT)			-	•	

Orange Juice	2014/2	2014/2015		2015/2016		2016/2017	
Market Begin Year	Oct 20	14	Oct 20	15	Oct 20	Oct 2016	
Korea, Republic of	USDA Official	New Post	USDA Official	New Post	USDA Official	New Post	
Deliv. To Processors	158391	158371	95000	84477	0	70000	
Beginning Stocks	1250	1250	1634	3000	0	4500	
Production	12663	12670	7600	6758	0	5600	
Imports	15511	10846	15000	15511	0	14854	
Total Supply	29424	24766	24234	25269	0	24954	
Exports	125	127	150	11	0	50	
Domestic Consumption	27665	21639	22704	20758	0	20304	
Ending Stocks	1634	3000	1380	4500	0	4600	
Total Distribution	29424	24766	24234	25269	0	24954	
(MT)							

Production

Korea: Citrus Production Situation 1/

Year	Area (HA)	Production (MT)	Farm Household	Gross Income (Mil.won)
2007	20,965	747,376	31,005	431,883
2008	20,937	592,160	31,027	631,325
2009	20,898	741,014	31,200	601,113
2010	20,747	568,478	30,905	668,484
2011	20,608	588,054	30,797	764,158
2012	20,595	668,610	31,070	801,175
2013	20,577	672,267	31,041	901,421
2014	20,555	696,763	31,404	670,739
2015	20,523	635,032	31,458	602,196
2016 2/	20,450	625,000	N/A	N/A

1/ Calendar year basis including greenhouse

2/ Preliminary forecast by FAS Seoul Source: Jeju Provincial Government

Korea: Citrus Utilization (Unit: MT)

Year	Total	Fresh	Processing	Other 1/
2007	747,376	513,746	138,782	94,948
2008	592,160	427,669	88,664	75,827
2009	741,014	519,423	123,551	98,040
2010	568,478	385,456	81,117	101,905
2011	588,054	371,944	102,933	113,177
2012	668,610	432,058	55,814	180,738
2013	672,267	433,650	92,834	145,783
2014	696,763	400,712	158,371	137,680
2015	635,032	340,453	84,477	210,202

1/Other – including exports, military consumption and consumption within Jeju island

Source: Jeju Provincial Government

Korea: Citrus Summer Greenhouse Production Situation

Year	Area (HA)	Production (MT)	Gross Income (Mil. Won)	Household	Price (Won/Kg)
2007	359	22,895	78,013	1,048	3,407
2008	313	22,356	71,941	954	3,218
2009	304	22,636	72,445	912	3,200
2010	312	21,602	74,507	929	3,449
2011	295	21,807	70,818	867	3,247
2012	285	19,963	65,719	843	3,292

2013	262	19,555	77,859	732	3,982
2014	255	21,571	60,695	713	2,814
2015	250	20,401	63,021	659	3,089
2016 1/	245	19,500	N/A	N/A	N/A

1/ Preliminary forecast by FAS Seoul

Source: Jeju Provincial Government & Korea Rural Economic Institute

Korea: Purchasing Price of Processing Tangerine Oranges (Korean Won/kg)

Year	Price
2008	80
2009	80
2010	120
2011	140
2012	160
2013	160
2014	160
2015	160
2016	160

Source: Jeju Citrus Growers' Cooperative

Korea: Citrus Production as Ratio to Total Fruit Production (Unit: 1,000 MT, Ratio: Percent)

Year	Total Fruits	Citrus	Ratio
2001	2,284	646	28.0
2002	2,418	789	32.0
2003	2,275	632	27.0
2004	2,411	584	24.0
2005	2,593	638	24.0
2006	2,504	620	24.0
2007	2,750	777	28.0
2008	2,698	636	23.6
2009	2,881	753	26.1
2010	2,489	615	24.7
2011	2,458	681	27.7
2012	2,374	692	29.1
2013	2,523	683	27
2014	2,697	722	26.7
2015	2,697	672	24.9

Source: Korea Statistical Information Service (KOSIS)

Korea: Total Fruits and Citrus Per Capita Consumption

Year	Total Fruits	Total Tangerine 1/
2007	67.9 Kg	16.0 Kg
2008	65.5 Kg	13.0 Kg
2009	67.7 Kg	15.4 Kg
2010	62.4 Kg	12.6 Kg
2011	62.4 Kg	13.6 kg
2012	61.8 Kg	13.8 Kg
2013	63.2 Kg	13.5 Kg
2014	66.5 Kg	14.3 Kg
2015	66.7 Kg	13.2 Kg

1/Including imported oranges

Source: Ministry for Food, Agriculture, Forestry, and Fisheries

Tariff

Korea: Import Quota and Tariff for Fresh Orange (Unit: MT, %)

Year	Quota	In-quota Tariff	Out-quota Tariff
2004	57,017	50	50
2014	57,017	50	50
2015	57,017	50	50
2016	57,017	50	50
2017	57,017	50	50

Korea: Import Quota and Tariff for Other Citrus (Unit: MT, %)

Year	Quota	In-quota Tariff	Out-quota Tariff
2004	2,097	50	144
2014	2,097	50	144
2015	2,097	50	144
2016	2,097	50	144
2017	2,097	50	144

1/ HS 0805.20.1000, HS 0805.20.9000, HS0805.50.2020, HS 0805.90.0000

Import Quota under the KORUS FTA (Unit: MT, %)

HSK 10	Description	Base Rate	2015	2016	2017
0805100000					
March1 – end Aug		50	15	10	5
Sept 1 – end Feb	Orongos				
TRQ (MT)	Oranges		2,732	2,814	2,898
In-quota Rate			0	0	0
Out of Quota Rate		50	50	50	50

Note: After year 5, the in-quota quantity increases by 3% per year, compounded annually.

Korea: Monthly Orange Imports

(Unit: MT)

Yea	Jan	Feb	Mar	Apr	May	Jun	Jul	Au	Sep	Oct	No	Dec
r								g			V	
' 16	5,21	10,83	68,32	46,90	9,719	1,78	2,34	2,27	2,16			
	0	0	4	8	9,/19	0	0	5	6	_	-	_
'15	2,92	5,759	40,09	38,06	13,13	1,81	1,34	1,50	2,60	2,20	590	1,70
	6	3,739	0	7	2	5	6	0	8	7	390	4
' 14	4,12	12,28	36,91	29,36	3,584	2,85	1,55	1,46	2,40	1,79	362	1,65
	4	9	4	6	3,364	7	4	1	8	6	302	6
'13	8,20	13,05	53,12	51,63	13,26	1,68	1,45	1,58	2,81	2,62	643	2,62
	5	9	4	0	5	0	0	9	6	7	043	8
'12	6,87	27,47	55,74	50,73	16,35	3,58	2,80	2,61	2,17	1,51	952	3,13
	6	5	1	1	0	2	1	3	5	5	932	1
' 11	7,00	17,58	45,11	43,21	14,67	2,62	2,46	2,00	2,15	1,92	1,13	2,04
	5	0	3	9	9	2	7	7	8	8	6	7
'10	4,85	0.002	29,26	39,84	14,30	3,20	076	1,06	2,25	1,31	1,16	2,73
	4	9,083	7	1	9	1	976	1	2	4	6	4

Source: Korea Customs Service & Korea International Trade Association

Trade Matrix

Import Matrix for Oranges

Import Trade Matrix						
Country: Korea						
Commodity: Orange (I	HS 0805.10)		Unit: MT &	US\$1,000		
Imports from	MY 201 (Oct. 14 –		MY 2015/16 (Oct. 15 – Sep. 16)			
	(001. 14 –	Зер. 1 <i>3)</i>	(001. 13 –	Зер. 10 <i>)</i>		
Country	Volume	Value	Volume	Value		
U.S.	102,775	162,851	144,448	206,954		
Others						
South Africa	3,892	4,021	4,339	4,548		
Australia	856	1,527	1,290	2,265		
Spain	2,109	2,163	2,297	2,549		
Chile	1,423	1,983	1,679	2,275		
Other	0	0				

Total for Others	8,280	9,694	9,605	11,637
Grand Total	111,057	172,545	154,043	218,591

Source: Korea International Trade Association

Import Matrix for Lemon

Import Trade Matrix							
Country: Korea	Country: Korea						
Commodity: Lemon (08	305.50.10)		Unit: MT & U	JS\$1,000			
Imports from	MY 201	4/15	MY 201	5/16			
	(Oct. $14 - S$)	Sep. 15)	(Oct. 15 – Sep. 16)				
Country	Volume	Value	Volume	Value			
U.S.	13,828	35,504	12,006	28,134			
Others							
Chile	4,472	11,126	1,994	4,246			
Other	0	0	3	30			
Total for Others	4,472	11,126	1,997	4,277			
Grand Total	18,300	46,630	14,003	32,410			

Source: Korea International Trade Association

Import Matrix for Grapefruit

Import Trade Matrix						
Country: Korea						
Commodity: Grapefruit	(0805.40)		Unit: MT & U	JS\$1,000		
Imports from	MY 201	4/15	MY 2015	5/16		
	(Oct. $14 - S$)	Sep. 15)	(Oct. 15 - S)	ep. 16)		
Country	Volume	Value	Volume	Value		
U.S.	12,491	16,290	13,224	18369		
Others						
Israel	2,765	3,110	3,223	3595		
S. Africa	7,831	7,776	8,662	10583		
Mexico	0	0	11	15		
Total for Others	10,596	10,886	11,896	14193		
Grand Total	23,087	27,175	25,119	32562		

Source: Korea International Trade Association

Export Matrix for Korean Tangerines

Export Trade Matrix							
Country: Korea	Country: Korea						
Commodity: Tangerine (HS 0805.20.1	0/20/90) U	Jnit: MT & U	S\$1,000			
Exports to	MY 2014	4/15	MY 2015	5/16			
	(Oct. 14 – S	ep. 15)	(Oct. $15 - S$)	ep. 16)			
Country	Volume	Value	Volume	Value			
U.S.	646	991	491	685			
Others							
Russia	527	439	412	339			
Canada	847	775	953	815			
Japan	1	8	0	0			
Hong Kong	111	190	149	270			
Guam	83	135	90	181			
Indonesia	37	62	12	27			
Malaysia	40	54	3	16			
United Kingdom	507	756	342	545			
Mongolia	179	255	157	179			
Singapore	125	208	185	277			
Others	38	79	58	135			
Total for Others	2,495	2,961	2,361	2,784			
Grand Total	3,141	3,952	2,852	3,469			

Source: Korea International Trade Association

Import Matrix for FOJC

Import Trade Matrix						
Country: Korea						
Commodity: FOJC (2009.11/12/19) Unit: MT & US\$1,000						
Imports from	MY 201	4/15	MY 2015/16			
	(Oct. 14 –	(Oct. 14 – Sep. 15)		Sep. 16)		
Country	Volume	Value	Volume	Value		
U.S.	10,846	29,615	6,561	16,475		
Others						
Spain	2,251	2,375	1,826	2,724		
Turkey	93	300	160	555		

Brazil	213	483	4,333	8,042
Australia	624	918	812	1,199
Israel	129	272	69	133
Greece	535	1,042	230	290
Canada	19	77	18	74
U.K.	16	42	8	18
Taiwan	34	104	45	145
Italy	70	165	84	200
Other	681	1,005	708	1,144
Total for Others	4,665	6,783	8,293	14524
Grand Total	15,511	36,398	14,854	30,999

Source: Korea International Trade Association

Export Matrix for FOJC

Export Trade Matrix							
Country: Korea							
Commodity: FOJC (2009.	Commodity: FOJC (2009.11/12/19) Unit: MT & US\$1,000						
Exports to	MY 2014	1/15	MY 2015	5/16			
	(Oct. 14 – S	ep. 15)	(Oct. 15 – S	ep. 16)			
Country	Volume	Value	Volume	Value			
U.S.	2	2	2	2			
Others							
Japan	10	59	0	0			
Netherland	0	0	0	0			
Israel	0	0	0	0			
PRC	6	18	1	3			
Denmark	0	0	0	0			
Singapore	0	0	0	0			
Hong Kong	6	9	4	6			
Canada	1	1	0	0			
Philippines	1	2	0	0			
Mongolia	0	0	2	6			
Greece	24	44	0	0			
Other	77	66	4	5			
Total for Others	125	199	11	20			
Grand Total	127	201	13	22			

Source: Korea International Trade Association

Korea: Monthly Average Foreign Exchange Rate (Unit: Korean Won / 1U\$)

Month	2014	2015	2016
Jan.	1064.75	1088.86	1201.67
Feb.	1071.30	1098.40	1217.35
Mar.	1070.89	1112.57	1188.21
Apr.	1044.55	1088.66	1147.51
May	1024.99	1091.27	1171.51
Jun.	1019.36	1112.20	1170.50
Jul.	1019.93	1143.22	1144.09
Aug.	1025.36	1179.10	1111.68
Sep.	1033.24	1184.76	1107.49
Oct.	1060.28	1148.18	1125.28
Nov.	1095.10	1151.97	-
Dec.	1104.33	1172.24	-

Source: Industrial Bank of Korea

Price Table

Price

Korea: Average Wholesale Prices for Regular Unshu (tangerines) (Unit: Korean Won per 10 Kilogram)

Month	High Quality		Medium Quality	
Monui	2015	2016	2015	2016
Jan.	17,210	16,020	13,695	12,970
Feb.	17,129	25,767	13,529	22,022
Mar.	22,457	31,154	17,781	26,246
	April - S	September	: N/A	
Oct.	19,036	22,307	15,709	17,707
Nov.	17,362	-	14,314	1
Dec.	16,610	-	13,552	-

Source: Agricultural & Fishery Marketing Corporation Korea: Average Wholesale

Wholesale Prices for Greenhouse Tangerine, Nationwide (Unit: Korean Won per 3 Kilogram)

Month	2015	2016
May	21,245	23,328
Jun.	17,106	19,071
Jul.	13,729	15,313
Aug.	13,815	16,382
Sep.	13,012	13,429
Oct.	7,777	8,224
Nov.	5,706	-

Source: Jeju Special Self-Governing Province Citrus Marketing & Shipping Association

Korea: Average Retail Prices for Regular Unshu (tangerines), Nationwide (Unit: Korean Won per 10 Fruits, Approximately 100 gram per fruit)

Year Month	2014	2015	2016	% Change from the previous year
Jan	2,730	2,422	2,212	-8.7
Feb	2,919	2,410	2,913	20.9
Mar	2,996	3,062	3,256	6.3
Oct	2,625	3,376	3,668	8.6
Nov	2,395	2,313	-	-
Dec	2,413	2,145	-	-

Prices for high quality

Source: Agricultural & Fishery Marketing Corporation

Korea: Average Retail Prices for Imported Oranges (Navel), Nationwide (Unit: Korean Won per 10 Fruits)

Year Month	2014	2015	2016	% Change from the previous year
Jan	10,745	11,798	10,973	-7
Feb	10,954	10,901	11,648	6.9
Mar	10,961	10,407	10,922	4.9
Apr	10,815	10,168	9,535	-6.2
May	10,896	11,176	9,291	-16.9
Jun	11,048	10,796	9,673	-10.4
Jul	-	-	-	-
Aug	-	-	-	-
Sep	-	-	-	-
Oct	-	-	-	-
Nov	12,000	-	-	-
Dec	11,902	10,842	-	-

Prices for high quality

Source: Agricultural & Fishery Marketing Corporation

Korea: Average Wholesale Prices for Imported Oranges

(Unit: Korean Won per 18 Kilogram box)

Month	High Qı	ıality	Medium (Quality
	2015	2016	2015	2016
Jan.	57,286	62,150	52,286	55,230
Feb.	58,871	61,044	53,118	54,244
Mar.	51,909	53,191	46,555	47,000
Apr.	49,036	47,000	43,227	41,040
May	57,711	43,640	51,078	37,960
Jun.	57,620	42,862	50,830	37,462
Jul.	-	-	-	-
Aug.	-	-	-	-
Sep.	-	-	-	-
Oct.	-	-	-	-
Nov.	-	-	-	-
Dec.	63,233	-	56,633	-

Source: Agricultural & Fishery Marketing Corporation

Korea: Wholesale Prices for Domestic Hallabong & Imported Navel

(Unit: Korean Won per Kilogram)

Month	Imported Navel 1/		Hallabong 2/	
	2015	2016	2015	2016
Jan.	3,183	3,543	3,965	4,311
Feb.	3,271	3,391	4,311	4,127
Mar.	2,884	2,955	3,104	3,000
Apr.	2,724	2,611	3,252	3,334
May	3,206	2,424	3,375	5,026
Jun.	3,201	2,381	_	-

1/ High quality navel oranges

2/ Late variety Unshu oranges

Source: Agricultural & Fishery Marketing Corporation / Jeju Special Self-Governing Province Citrus

Marketing & Shipping Association

Korea: Average Wholesale Prices for Imported Lemon

(Unit: Korean Won per 17 Kilograms Box)

Month	High Quality		Medium Quality	
	2015 2016		2015	2016
Jan.	-	65,670	-	59,660

Feb.	-	63,167	-	57,167
Mar.	-	62,127	-	56,673
Apr.	-	60,250	-	55,250
May	-	55,570	-	50,570
Jun.	78,282	67,895	70,282	62,057
Jul.	83,991	70,590	75,557	64,590
Aug.	75,270	66,255	67,300	60,255
Sep.	70,410	68,821	62,410	63,242
Oct.	61,438	81,870	54,686	76,870
Nov.	58,105	-	51,190	-
Dec.	70,352		62,533	

Source: Agricultural & Fishery Marketing Corporation

Korea: Average Retail Prices for Imported Grapefruit (Unit: Korean Won per 10 Fruits Box)

Month	High Quality		Medium Quality	
	2015	2016	2015	2016
Jan.	-	-	15,351	13,271
Feb.	-	-	14,855	13,875
Mar.	-	-	14,347	13,045
Apr.	-	-	15,201	14,260
May	-	-	15,024	15,326
Jun.	-	-	13,756	16,857
Jul.	-	17,539	13,269	15,309
Aug.	-	17,060	11,450	14,373
Sep.	-	-	12,313	15,070
Oct.	-	-	12,075	14,510
Nov.	-		12,393	-
Dec.	-		13,502	-

Source: Agricultural & Fishery Marketing Corporation